



**CHARTERED INSTITUTION OF WATER
AND ENVIRONMENTAL MANAGEMENT
North Western and North Wales Branch**

**6th Annual Wastewater Conference
14th and 21st February 2008**

**Part 1 - Wastewater Treatment – Thursday 14th February 2008
1:30pm to 6:00 pm**

**Part 2 – Sludge Management – Thursday 21st February 2008
1:30pm to 6:00 pm**

At

Mereside Conference Centre, United Utilities, Lingley Mere, Warrington

GENERAL INFORMATION

Following feedback from the 2007 Annual Wastewater conference we have split this year's wastewater conference into **two half day** seminars on consecutive Thursdays.

The meeting on the 14th February will concentrate on Wastewater Management and Treatment. On the 21st February the seminar will focus on Sludge Management issues.

Lunch will be provided prior to the seminars and refreshments will be available during the breaks. Thanks to the support of United Utilities, we are able to offer each seminar for the reduced cost of £40 per seminar (to cover catering and other administration costs). However if you would like to attend both seminars the cost will be reduced to £70 overall.

To book a place, please contact Alasdair Harry at the address below or email ciwem@biwater.com stating the names of the attendees and **which of the seminars you wish to attend**. Cheques should be made payable to CIWEM NW&NW.

Reply To:

Alasdair Harry, Farrer Consulting, Biwater Place, Gregg Street, Heywood, Lancashire, OL10 2DX
Tel No. 01706 626258 Fax No. 01706 626294 Email: ciwem@biwater.com

Event kindly supported by



PROGRAMME
Part 1 – Wastewater Management & Treatment
14th February 2008

- 13:30 Registration and Lunch**
- 14:30 Keynote Address**
Clive Elphick – Managing Director of Asset Management – United Utilities
- 15:00 Energy Efficient Water and Wastewater Technologies**
Issy Caffoor – Envirolink Northwest
- 15:30 Refreshments & Networking**
- 16:00 The Lowerstoft Septicity Study**
Julie Jeavons – Mouchel Parkman
- 16:30 The Pilot Scale Application of a Dissolved Air Flootation (DAF) and Upflow Anaerobic Sludge Blanket Reactor (UASB) for the Treatment of an Industrial Wastewater in California**
Frank Heath – Atkins
- 17:00 A New carbon source for EBPR**
L Farrant – Liverpool John Moores University
- 17:30 Closing Remarks**

PROGRAMME
Part 2 – Sludge Management
21st February 2008

- 13:30 Registration and Lunch**
- 14:30 Keynote Address**
Oliver Andrews – United Utilities
- 15:00 Wanlip Sludge Liquor Treatment**
Spencer Greenhalgh – Biwater Treatment Ltd
- 15:30 Refreshments & Networking**
- 16:00 The optimisation of sludge transportation**
Dr J Sutherland – Atkins
- 16:30 Improved Enzymic Hydrolysis for sludge digestion**
Dr Son Le – United Utilities
- 17:00 Organo-mineral fertiliser for sustainable sludge recycling**
S Gedara – Cranfield University
- 17:30 Closing Remarks**

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